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LIST OF BOOKS
ON
ELECTRICITY

SAN FRANCISCO
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NOTE

This finding list contains such works on theoretical and applied electricity and allied subjects as are now in the Library. New books on these subjects are constantly being added to the collection and may be found by looking in the card catalogue under the names of the authors or the subject of the books. They will also appear in the Monthly Bulletin, which is issued for free distribution.

The Library contains many books pertaining to the various trades and manufacturing industries, and these books may be found by consulting the card catalogue at the Main Library.

All residents of San Francisco ten years of age and over, and non-resident taxpayers, are entitled to draw books from the Library.

An asterisk (*) preceding a book number indicates that the book is for reference use only and not for circulation.

GENERAL WORKS

Ames, J. S., ed. The discovery of induced electric currents. 2 v. 1900. 537 Am37

Contents.—v. 1. Memoirs, by Joseph Henry.—
v. 2. Memoirs, by Michael Faraday.

Atkinson, Philip. Electricity for everybody; its nature and uses explained. 1895. 537 At56

Benjamin, Park. A history of electricity (The intellectual rise in electricity) from antiquity to the days of Benjamin Franklin. 1898. 537 B43

Campbell, N. R. Modern electrical theory. 1907. 537 C15

Child, C. T. The how and why of electricity . . . for non-technical readers. 1905. 537 C43

- Cloke, H. E.** The enlisted specialists' examiner. 1908. 621 C62
 "Electricity and magnetism," pp. 7-80.
- Electricity in daily life;** a popular account of the applications of electricity to every day uses. By C. F. Brackett [and others.] 1893. 621.3 EL25
- Gibson, C. R.** Electricity of to-day, its work and mysteries described in non-technical language. 1907. 621.3 G35
- The romance of modern electricity, describing in non-technical language what is known about electricity and many of its interesting applications. 1906. 621.3 G35r
- Hawkins, Nehemiah.** New catechism of electricity. c. 1896. 621.3 H31
- Hibbert, Walter.** Popular electricity. 1909. 621.3 H52
- Houston, E. J.** A dictionary of electrical words, terms and phrases. 1898. *537 H81
- Electricity and magnetism. c. 1899. 537 H81e
- Electricity made easy . . . by E. J. Houston and A. E. Kennelly. 1903. 621.3 H81e
- Iles, George.** Flame, electricity and the camera; man's progress from the first kindling of fire to the wireless telegraph. 1900. 609 IL3
- Maycock, W. P.** Electric lighting and power distribution; an elementary manual. 1892. 537 M45
- Mendenhall, T. C.** A century of electricity. c. 1890. 537 M52
- Munro, John.** The story of electricity. 1908. 537 M92

Noad, H. M. The student's text-book of electricity. With an introduction and additional chapters by W. H. Preece. 1895. 537 N66

Onken, W. H. Harper's how to understand electrical work . . . by Wm. H. Onken, jr. and Joseph B. Baker. 1908. j621.3 On4

Richardson, S. S. Magnetism and electricity and the principles of electrical measurement. [1908.] 537 R39

Shepardson, G. D. Electrical catechism; an introductory treatise on electricity and its uses. 1901. q537 Sh47

Swoope, C. W. Lessons in practical electricity; principles, experiments, and arithmetical problems. 1903. 537 Sw73

Thompson, S. P. Elementary lessons in electricity and magnetism. Rev. and enl. to date, including all of the recent discoveries in x-rays, wireless telegraphy, etc., by O. H. L. Schwetsky. 1906. 537 T37

Tyndall, John. Lessons in electricity at the Royal institution, 1875-6. 1903. 537 T97

PERIODICALS. PUBLICATIONS OF SOCIETIES

American institute of electrical engineers. Transactions. v. 26-date. 1907-date. *621.3 Am35t

The electrical engineer . . . with which is incorporated "Electric light." v. 37-38. 1906. *f621.3 EL24

The electrical review [London] v. 1-35; v. 62-date. 1872-1894; Jan. 1908-date. *f621.3 EL245
Vols. 1-30 have title: Telegraphic journal and electrical review.

- The electrical world.** v. 48-date. July 1906-date.
*f621.3 EL248
- Journal of electricity, power and gas.** v. 18-
date. Jan. 1907-date. f621.3 J82
- Metallurgical and chemical engineering;** a con-
solidation of Electrochemical and metal-
lurgical industry and Iron and steel maga-
zine. v. 5-date. 1907-date. *f541.1 EL25
- Science abstracts.** Issued by the Institution of
electrical engineers. Section B: Electrical
engineering. v. 10-date. 1907-date. *505 Sci27e

DYNAMICS. STATICS. THEORY

- Atkinson, Philip.** Elements of dynamic elec-
tricity and magnetism. 1903. 537.5 At56
- Flammarion, Camille.** Thunder and lightning.
1905. 537.4 F61
- Hertz, H. R.** Electric waves; being researches
on the propagation of electric action with
finite velocity through space. 1900. 537.1 H44
- Kelvin, William Thomson, 1st baron.** Reprint
of papers on electrostatics and magnetism,
by Sir William Thomson. 1884. 537.2 K29
- Lodge, Sir O. J.** Electrons; or, The nature and
properties of negative electricity. 1906.
537.1 L82e
- Modern views of electricity. 1907. 537.1 L82
- Lorentz, H. A.** The theory of electrons and its
applications to the phenomena of light and
radiant heat. 1909. 537.1 L88
- Ohm, G. S.** The galvanic circuit investigated
mathematically. 1905. 537.5 Oh4

- Sloane, T. O'C. Electricity simplified. 1905.
537.1 SL52
- Steinmetz, C. P. Theoretical elements of electrical engineering. 1905.
537.1 St36
- Thomson, J. J. Conduction of electricity through gases. 1906.
537.52 T38
- Electricity and matter. 1906.
537.1 T38
- Trowbridge, John. What is electricity?
1903.
537.1 T75

MAGNETISM

- Houston, E. J. Magnetism, by E. J. Houston and A. E. Kennelly. 1906.
538 H81
- The wonder book of magnetism.
[1908.]
538 H81w
- — *Same*
j538 H81
- Lewis, E. P., *ed.* The effects of a magnetic field on radiation; memoirs by Faraday, Kerr and Zeemans. c. 1900.
535 L58
- Mansfield, A. N. Electromagnets; their design and construction. 1901.
538.3 M31
- Tyndall, John. Researches on diamagnetism and magne-crystallic action, including the question of diamagnetic polarity. 1888.
538.4 T97
- U. S. *Coast and geodetic survey.* United States magnetic tables and magnetic charts for 1905. By L. A. Bauer. 1908.
*q538.7 Un3

RADIOACTIVITY

- Barker, G. F., *ed.* Röntgen rays; memoirs by Röntgen, Stokes and J. J. Thomson, tr. and ed. by G. F. Barker. 1899.
537.53 B24

- Hammer, W. J.** Radium, and other radio-active substances; polonium, actinium, and thorium. 1904. 537.54 H18
- Joly, John.** Radioactivity and geology, an account of the influence of radioactive energy on terrestrial history. 1909. 537.54 J68
- Jones, H. C.** The electrical nature of matter and radioactivity. 1906. 537.54. J69
- Makower, Walter.** The radioactive substances, their properties and behaviour. 1908. 537.54 M28
- Meadowcroft, W. H.** The A B C of the X rays. c. 1896. 537.53 M46
- Raffety, C. W.** An introduction to the science of radio-activity. 1909. 537.54 R12
- Rutherford, Ernest.** Radio-activity. 1905. 537.54 R93
- Soddy, Frederick.** The interpretation of radium. 1909. 537.54 So15

MEASUREMENT. TESTING

- Ayrton, W. E.** Practical electricity; a laboratory and lecture course . . . based on the international definitions of the electrical units. 1903. 537.7 Ay78
- Carhart, H. S.** Electrical measurements. A laboratory manual, by H. S. Carhart and G. W. Patterson. 1895. 537.7 C19
- Crapper, E. H.** Practical electrical measurements, an introductory manual. 1897. 537.7 C85
- Fleming, J. A.** A handbook for the electrical laboratory and testing room. 2v. [1901.] 537.7 F62

- Kempe, H. R.** A handbook of electrical testing. 1900. 537.7 K32
- Reed, L. C.** American meter practice. 1903. 537.7 R25
- Schneider, N. H.** Electrical instruments and testing; how to use the voltmeter, ammeter, galvanometer, etc. 1905. 537.7 Sch58
- Sloane, T. O'C.** Arithmetic of electricity; a practical treatise on electrical calculations of all kinds. 1906. 537.9 SL52a
- Swenson, B. V.** Testing of electro-magnetic machinery and other apparatus, by B. V. Swenson and Budd Frankfield. 1905. 537.7 Sw42
- Swinburne, James.** The measurement of electric currents, by James Swinburne and C. H. Wordingham. 1893. v. 1. Direct currents. 537.7 Sw63

INDUCTION COILS

- Allsop, F. C.** Induction coils and coil-making; a treatise on the construction and working of shock, medical and spark coils. 1899. 537.51 AL58
- Armagnat, H.** The theory, design and construction of induction coils. 1908. 537.51 Ar54
- Collins, A. F.** The design and construction of induction coils. 1909. 537.51 C69
- Pike, John.** Practical induction coil construction: a handbook of construction details and workshop methods used in building and repairing modern spark coils. 1908. 537.51 P63

Schneider, N. H. Induction coils; how to make, use, and repair them, by H. S. Norrie. 1907.
537.51 Sch58

Wright, Lewis. The induction coil in practical work, including Röntgen X rays. 1897.
537.51 W93

ELECTRIC ENGINEERING

Foster, H. A. Electrical engineer's pocket-book; a hand-book of useful data for electricians and electrical engineers. 1908. *621.3 F81

Franklin, W. S. The elements of electrical engineering . . . By W. S. Franklin and William Esty. 2 v. 1906-8. 621.3 F85

Hobart, H. M. Heavy electrical engineering. 1908. 621.3 H65

Houston, E. J. Electrical engineering leaflets, by E. J. Houston and A. E. Kennelly. 3 v. 1898-1902. 621.3. H81

Contents.—v. 1. Elementary grade. v. 2. Intermediate grade. v. 3. Advanced grade.

International electrical congress, St. Louis, 1904. Transactions. 3 v. 1905. 621.3 In8

Lupton, Arnold. Electricity as applied to mining. By Arnold Lupton, G. D. A. Parr and Herbert Perkin. 1906. 621.3 L97

National conference of electricians, Philadelphia, 1884. Report of the electrical conference at Philadelphia, in September, 1884. 1886. 621.3 N21

Norris, H. H. An introduction to the study of electrical engineering. 1908. 621.3 N79

Parr, G. D. A. Electrical engineering in theory and practice. 1906. 621.3 P24

Rosenberg, E. Electrical engineering; an elementary text-book. 1907. 621.3 R72

Slingo, W. Electrical engineering for electric light artizans and students. By W. Slingo and A. Brooker. 1900. 621.3 SL36

Sloane, T. O'C. Electricians' handy book. 1908. 621.3 SL52

—Elementary electrical calculations; a manual of simple engineering mathematics, covering the whole field of direct current calculations, the basis of alternating current mathematics, networks and typical cases of circuits. 1909. 621.3 SL52c

—How to become a successful electrician. 1903. 621.3 SL52h

— — *Same* j621.3 SL52h

Standard handbook for electrical engineers written and compiled by a staff of specialists. 1908. *621.3 St24

Steinmetz, C. P. General lectures on electrical engineering. c. 1908. 621.3 St34

—Theoretical elements of electrical engineering. 1905. 621.3 St34t

Wyssling, W. Die tarife Schweizerischer elektrizitätswerke für den verkauf elektrischer energie. 1904. 621.3 W99

DYNAMOS. MOTORS

Bottone, S. R. Modern dynamos and batteries for amateurs and students, with full constructional details and working drawings. 1906. 621.31 B65m

- Bowker, W. R.** Dynamo, motor and switchboard circuits for electrical engineers. 1904. 621.31 B67
- Bubier, E. T.** Dynamos and electric motors, by Edward Trevert. 1904. j621.31 B85
- Crocker, F. B.** Dynamo-electric machinery; an authoritative treatise on the theory . . . and design of dynamo-electric machinery. 1908. 621.31 C87
- The management of electrical machinery. A thoroughly revised and enlarged edition of the practical management of dynamos and motors, by F. B. Crocker and S. S. Wheeler. 1908. 621.31 C87m
- Franklin, W. S.** Dynamos and motors . . . by W. S. Franklin and William Esty. 1909. 621.31 F85
- Hawkins, C. C.** The dynamo; its theory, design and manufacture, by C. C. Hawkins and F. Wallis. 1903. 621.31 H31
- Hobart, H. M.** High speed dynamo electric machinery, by H. M. Hobart and A. G. Ellis. 1908. 621.31 H65h
- Houston, E. J.** The electric motor and the transmission of power, by E. J. Houston and A. E. Kennelly. 1906. 621.31 H81
- Meade, N. G.** Electric motors; their installation, control, operation and maintenance. 1908. 621.31 M46
- Poole, C. P.** Designs for small dynamos and motors. 1906. 621.31 P78
- Raymond, E. B.** Motor troubles . . . and the testing of direct-current and alternating-current machinery. 1908. 621.31 R21

Ryan, H. J. A text-book of electrical machinery.
v. 1. By H. J. Ryan, H. H. Norris, G. L.
Hoxie. 1906. 621.31 R95

Sheldon, Samuel. Dynamo electric machinery,
by Samuel Sheldon and Hobart Mason. 2 v.
1901-2. 621.31 Sh43

Swenson, B. V. Testing of electro-magnetic ma-
chinery and other apparatus, by B. V. Swen-
son and Budd Frankenfield. v. 1. Direct cur-
rents. 1905. 621.31 Sw42

Thompson, S. P. Dynamo-electric machinery; a
manual for students of electrotechnics. 2 v.
1904-5. 621.31 T37
Contents.—v. 1. Continuous current machines.
v. 2. Alternating current machinery.

**DIRECT CURRENTS. ALTERNATING CURRENTS.
ARMATURES. TRANSFORMERS**

Arnold, E. Armature windings of direct cur-
rent dynamos. 1902. 621.312 Ar64

Baum, F. G. The alternating current transformer.
1903. 621.314 B32

Behrend, B. A. The induction motor. A short
treatise on its theory and design. [1901.]
621.313 B39

Boy de la Tour, Henri. The induction motor;
its theory and design. 1906. 621.313 B69

Franklin, W. S. The elements of alternating cur-
rents, by W. S. Franklin and R. B. William-
son. 1906. 621.313 F85

Hanchett, G. T. Alternating currents: their
generation, distribution and utilization. 1905.
621.313 H19

Hanchett, G. T. Modern electric railway motors; a discussion of current practice in electric railway motor construction, maintenance, and repair. [1900.] 621.312 H19

Hay, Alfred. Alternating currents; their theory, generation, and transformation. 1906. 621.313 H32

—An introductory course of continuous current engineering. 1907. 621.312 H32

Hobart, H. M. Armature construction, by H. M. Hobart and A. G. Ellis. 1907. 621.312 H65

Horstmann, H. C. Practical armature and magnet winding. By H. C. Horstmann and V. H. Tousley. c. 1909. 621.31 H78

Houston, E. J. Alternating electric currents, by E. J. Houston and A. E. Kennelly. 1906. 621.313 H81

—Electro-dynamic machinery for continuous currents, by E. J. Houston and A. E. Kennelly. 1896. 621.312 H81

Jackson, D. C. Alternating currents and alternating current machinery . . . by D. C. Jackson and J. P. Jackson. 1905. 621.31 J13 2

Lamb, G. G. Alternating currents. [1906.] 621.313 L16

Oudin, M. A. Standard polyphase apparatus and systems. 1907. 621.313 Ou2

Raymond, E. B. Alternating current engineering practically treated. 1904. 621.313 R21

Steinmetz, C. P. Theory and calculation of alternating current phenomena. 1900. 621.313 St36

Taylor, W. T. Stationary transformers; theory, connections, operation and testing of constant-potential, constant-current, series and auto transformers, potential regulators, etc. 1909. 621.314 T21

Walker, Frederick. Practical dynamo-building for amateurs. How to wind for any output. 1901. 621.312 W15

Wiener, A. E. Practical calculation of dynamo-electric machines . . . Continuous current machinery. c. 1901. 621.312 W63

POWER PLANTS. POWER TRANSMISSION

Abbott, A. V. Electrical transmission of energy. A manual for the design of electrical circuits. 1904. 621.34 Ab26e

Adams, A. D. Electric transmission of water power. 1906. 621.34 Ad13

Beardsley, R. C. Design and construction of hydroelectric plants. 1907. 621.34 B38

Bell, Louis. Electric power transmission. 1906. 621.34 B41

Berg, E. J. Electrical energy, its generation, transmission, and utilization. 1908. 621.34 B45

Carter, E. T. Motive power and gearing for electrical machinery; a treatise on the theory and practice of the mechanical equipment of power stations. [1905.] 621.101 C24

Davies, F. H. Electric power and traction. 1907. 621.34 D28

Del Mar, W. A. Electric power conductors. 1909. 621.34 D38

Gay, Albert. An introduction to the study of central station electricity supply. By Albert Gay and C. H. Yeaman. 1906. 621.316 G25

High-tension power transmission. 2 v. 1905-6. 621.34 H53

Hutchinson, R. W., jr. Long-distance electric power transmission. 1908. 621.34 H97

Koester, Frank. Hydroelectric developments and engineering; a practical and theoretical treatise on . . . hydroelectric transmission plants. 1909. q621.34 K81

—Steam-electric power plants. 1908. q621.316 K81

Lyndon, Lamar. Development and electrical distribution of waterpower. 1908. 621.34 L99

Perrine, F. A. C. Conductors for electrical distribution. 1903. 621.34 P42

Russell, Alexander. The theory of electric cables and networks. 1908. 621.34 R91

Schneider, N. H. The practical engineer's handbook. The care and management of electric power plants. 1906. 621.316 Sch58

Schon, H. A. E. C. von. Hydro-electric practice, a practical manual of the development of water power. 1908. q621.34 Sch65

Steinmetz, C. P. Theory and calculation of transient electric phenomena and oscillations. 1909. 621.34 St36

Turner, H. W. The insulation of electric machines, by H. W. Turner and H. M. Hobart. 1905. 621.34 T85

Walker, S. F. Electricity in mining. 1907. 621.34 W15

WIRING

Harrison, Newton. Electric wiring, diagrams and switchboards. 1906. 621.349 H24

Horstmann, H. C. Electrical wiring and construction. tables, by H. C. Horstmann and V. H. Tousley. 1907. 621.349 H78

—Modern electrical construction; a reliable, practical guide for the beginner in electrical construction, by H. C. Horstmann and V. H. Tousley. 1905. 621.349 H78m

—Modern wiring diagrams and descriptions . . . by H. C. Horstmann and V. H. Tousley. c. 1906. 621.349 H78mo

Ibbetson, W. S. The theory and practice of electric wiring. An elementary book dealing with the principles of wiring. 1909. 621.349 Ib2

Knox, C. E. Electric wiring and lighting. Pt. 1. Electric wiring, by C. E. Knox. Pt. 2. Electric lighting, by G. C. Shaad. 1909. (American school of correspondence) 621.349 K77

Leaf, H. M. Internal wiring of buildings . . . with a chapter on electricity meters. 1903. 621.349 L47

Poole, C. P. Electric wiring. 1900. 621.349 P78e

BATTERIES

Bottone, S. R. Galvanic batteries; their theory, construction and use. [1902.] 621.35 B65

Cooper, W. R. Primary batteries: their theory, construction and use. [1901.] 621.35 C78

Lyndon, Lamar. Storage battery engineering. 1903. 621.35 L99

Treadwell, Augustus. The storage battery. 1906.
621.35 T71

BELLS. ANNUNCIATORS

Allsop, F. C. Practical electric bell fitting. 1898.
654.7 AL58p

Bottone, S. R. Electric bells and all about
them. n. d. 654.7 B65

Wittbecker, W. A. Domestic electrical work.
Concise and practical explanations . . . on
how to wire buildings for bells, alarms, an-
nunciators, and for gas lighting from bat-
teries. 1906. 654.7 W78

— — *Same.* j654.7 W78

TELEPHONE

Abbott, A. V. Telephony. A manual of the
design, construction, and operation of tele-
phone exchanges. 6v. 1903-5. 654.6 Ab26

Allsop, F. C. Telephones; their construction
and fitting. 1905. 654.6 AL58

Cary, G. H. How to make and use the tele-
phone. A practical treatise for amateurs,
with working drawings. 1902. 654.6 C25

Cummings, G. W. Electricity and magnetism in
telephone maintenance. 1908. 654.6 C91

Fairman, J. F. Standard telephone wiring for
common battery and magneto systems; a
hand-book for telephone men, containing dia-
grams of circuits for straight lines, party
lines, etc., with a brief description of the ap-
paratus used and rules of the fire underwrit-
ers. 1905. 654.6 F16

- Houston, E. J.** The electric telephone, by E. J. Houston and A. E. Kennelly. 1906. 654.6 H81
- Miller, K. B.** American telephone practice. 1905. 654.6 M61
- Poole, Joseph.** The practical telephone handbook and guide to the telephonic exchange. 1906. 654.6 P78
- Ruhmer, E. W.** Wireless telephony, in theory and practice. 1908. 654.6 R85

TELEGRAPH

- Field, H. M.** History of the Atlantic telegraph. 1866. 654.5 F45
- Houston, E. J.** Electric telegraphy, by E. J. Houston and A. E. Kennelly. 1906. 654 H81e
- Maver, William, jr.** American telegraphy and encyclopedia of the telegraph: systems, apparatus, operation. 1903. 654 M44
- Pope, F. L.** Modern practice of the electric telegraph; a technical handbook. 1902. 654 P81
- Preece, Sir W. H.** Telegraphy, by W. H. Preece and J. Sivewright. 1905. 654 P91
- U. S. Signal office.** Regulations for United States military telegraph lines, U. S. signal corps. Prepared under the direction of Brigadier-General James Allen, chief signal officer of the army. 1909. *654 Un3r

WIRELESS TELEGRAPH

- Bottone, S. B.** Wireless telegraphy and Hertzian waves. 1905. 654.1 B65
- Collins, A. F.** Manual of wireless telegraphy and telephony. 1909. 654.1 C69m

- Collins, A. F.** Wireless telegraphy; its history, theory and practice. 1905. 654.1 C69
- Eichhorn, Gustav.** Wireless telegraphy. 1906. 654.1 Ei24
- Fahie, J. J.** A history of wireless telegraphy 1838-1899; including some bare-wire proposals for subaqueous telegraphs. 1899. 654.1 F14
- Fleming, J. A.** An elementary manual of radio-telegraphy and radiotelephony. 1908. 654.1 F62
- Graham, R. P. Howgrave—**Wireless telegraphy for amateurs, a handbook on the principles of radiotelegraphy and the construction and working of apparatus for short distance transmission. 1907. 654.1 G76
- Kennelly, A. E.** Wireless telegraphy; an elementary treatise. 1906. 654.1 K39
- Wireless telegraphy and wireless telephony; an elementary treatise. 1909. 654.1 K39w
- Kerr, Richard.** Wireless telegraphy popularly explained. 1903. 654.1 K46
- Laughter, V. H.** Operator's wireless telegraph and telephone hand-book; a complete treatise . . . including the rules of naval stations, codes, abbreviations, etc. c. 1909. 654.1 L36
- Lodge, Sir O. J.** Signalling across space without wires. Being a description of the work of Hertz and his successors. [1900.] 654.1 L82
- Massie, W. W.** Wireless telegraphy and telephony popularly explained, by W. W. Massie and C. R. Underhill; with special article by Nikola Tesla. 1908. 654.1 M38
- Monckton, C. C. F.** Radio-telegraphy. 1908. 654.1 M74

St. John, T. M. Wireless telegraphy for amateurs and students . . . with complete directions for performing numerous experiments with simple home-made apparatus. c. 1906. 654.1 Sa23

Twining, H. LaV. Wireless telegraphy and high frequency electricity; a manual containing detailed information for the construction of transformers, wireless telegraph and high frequency apparatus. c. 1909. 654.1 T92

U. S. Bureau of equipment (Navy dept.) Manual of wireless telegraphy for the use of naval electricians. By S. S. Robison. 1906. *654.1 Un3

LIGHTING. HEATING

Atkinson, Philip. The elements of electric lighting, including electric generation, measurement, storage and distribution. 1901. 621.32 At56e

Barrows, W. E. Electrical illuminating engineering. 1908. 621.32 B27

Bell, Louis. The art of illumination. 1902. 628.9 B41

Borchers, Wilhelm. Electric furnaces. 1908. 621.365 B64

Cravath, J. R. Practical illumination. By J. R. Cravath and Van Rensselaer Lansingh. 1907. 628.9 C85

Crocker, F. B. Electric lighting; a practical exposition of the art. 2 v. 1906. 621.32 C87

Houston, E. J. Electric arc lighting. By E. J. Houston and A. E. Kennelly. 1906. 621.32 H81e

- Houston, E. J.** Electric incandescent lighting.
By E. J. Houston and A. E. Kennelly. 1906.
j621.32 H81
- — *Same.* 621.32 H81
- Marks, W. D.** The finances of gas and electric
light and power enterprises. [1907.]
621.32 M34
- Schneider, N. H.** Electric gas lighting; how to
install electric gas igniting apparatus . . .
by H. S. Norrie. 1906. 621.32 Sch58
- Urquhart, J. W.** Electric light fitting . . . em-
bodying practical notes on installation man-
agement. 1904. 621.32 Ur6

RAILWAYS. BLOCK SYSTEM

- Adams, B. B.** The block system of signaling on
American railroads. 1901. 656.56 Ad17
- Bell, Louis.** Power distribution for electric rail-
roads. [1900.] 621.33 B41
- Cravath, J. R.** Electric railways; a treatise on
the modern development of electric traction.
Electric railways. By J. R. Cravath . . .
The single-phase electric railway, by H. C.
Trow. 1908. (American school of corre-
spondence) 621.33 C85
- Herrick, A. B.** Practical electric railway hand
book. 1906. 621.33 H43
- Houston, E. J.** Electric street railways, by E.
J. Houston and A. E. Kennelly. 1906.
621.33 H81
- Modern electric railway practice.** 4 v. c. 1909.
*621.33 M72

- Pagnini, Pietro.** La trazione elettrica. Allo stato attuale dell' elettrotecnica. 1905. 621.33 P14
- Parshall, H. F.** Electric railway engineering. By H. F. Parshall and H. M. Hobart. 1908. q621.33 P25
- Scott, Ralph.** Automatic block signals and signal circuits; American practice in the installation and maintenance of signals electrically controlled, and operated by electric or other power. 1908. 656.56 Sc85
- Smith, R. H.** Electric traction. 1905. 621.33 Sm64
- Swingle, C. F.** Electric railway power stations. c. 1909. 621.33 Sw64
- U. S.** *Block signal and train control board.* Annual report of the Block signal and train control board to the Interstate commerce commission. 1908-1909. *656.56 Un3
- Wilson, Ernest.** Electrical traction, by Ernest Wilson and Francis Lydall. 2 v. 1907. 621.33 W69

ELECTROCHEMISTRY

- Arrhenius, S. A.** Text-book of electrochemistry. 1902. 541.1 Ar69
- Blount, Bertram.** Practical electro-chemistry. 1906. 541.1 B62
- Goodwin, H. M., ed.** The fundamental laws of electrolytic conduction; memoirs by Faraday, Hittorf, and F. Kohlrausch. 1899. 541.1 G63
- Lupke, Robert.** The elements of electro-chemistry treated experimentally. 1903. 541.1 L97

Wright, J. Electric furnaces and their industrial applications. 1906. 541.1 W93

**ELECTRO-METALLURGY. ELECTROPLATING.
ELECTROTYPING**

Bedell, W. L. D. Practical electro-plating; a guide for the electroplater, giving complete instructions for the arrangement of the shop, the installation of the plant, polishing, plating, buffing, and lacquering. 1909. 537.85 B39

Borchers, Wilhelm. Electric smelting and refining. 1904. 537.85 B64

Groth, L. A. Welding and cutting metals by aid of gases and electricity. 1909. 665.8 G91

Gunther, C. G. Electro-magnetic ore separation. 1909. 622.77 G95

Hawkins, H. J. The polishing and plating of metals . . . giving modern methods of polishing, plating, buffing, oxydizing and lacquering metals. 1904. 537.85 H31

Kershaw, J. B. C. Electro-metallurgy. 1908. 537.85 K47

Langbein, Georg. A complete treatise on the electro-deposition of metals; comprising electro-plating and galvanoplastic operations . . . with additions by W. T. Brannt. 1905. 537.85 L25

Napier, James. A manual of electro-metallurgy; including the applications of the art to manufacturing processes. 1860. 537.85 N16

Partridge, C. S. Electrotyping. 1908. 655.22 P25

ELECTRO-THERAPEUTICS

- Adam, George.** Electricity, the chemistry of ether; a treatise generalizing a fundamental hypothesis as applied to electricity, chemistry, physics, physiology, and pathology. 1904.
615.84 Ad13
- Duchenne, G. B.** A treatise on localized electrification, and its applications to pathology and therapeutics. 1871. 615.84 D85
- Jellinek, Samuel.** Medizinische anwendungen der elektrizität. 1906. 615.84 J39
- Rockwell, A. D.** Lectures on electricity in its relations to medicine and surgery. 1879.
615.84 R59

EXPERIMENTS AND AMATEUR APPARATUS

- Adams, J. H.** Harper's electricity book for boys. 1907. j537.81 Ad18
- Barnard, Charles.** First steps in electricity. Designed for the entertainment and instruction of young people. 1888. j537 B25
- Bonney, G. E.** Electrical experiments; a manual of instructive amusement. 1904. 537.81 B64
- Bottone, S. R.** Electrical instrument making for amateurs. n. d. j537.81 B65j
- Bubier, E. T.** Electricity for students, by Edward Trevert. 1899. 537 B85
- Experimental electricity, by Edward Trevert. 1903. 537.81 B85e
- The Carlisle & Finch co., Cincinnati, O.** Miniature electric railway construction. 1906.
537.81 C19

- Jenks, Tudor.** Electricity for young people. c.
1907. j621.3 J42
- Clarke, W. J.** A. B. C. of electrical experiments.
[1902.] 537.81 C55
- Meadowcroft, W. H.** The A B C of electricity.
c. 1888. j537 M46
- St. John, T. M.** How two boys made their own
electrical apparatus. 1898. j537.81 Sa23h
- Real electric toy-making for boys. c. 1905.
j537.81 Sa23
- The study of elementary electricity and mag-
netism by experiment. c. 1900. 537.81 Sa23
- Things a boy should know about electricity.
1900. j537 S2t
- Sloane, T. O'C.** Electric toy making for ama-
teurs including batteries, magnets, motors,
bells, miscellaneous toys, etc. 1906. 537.81 SL52



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